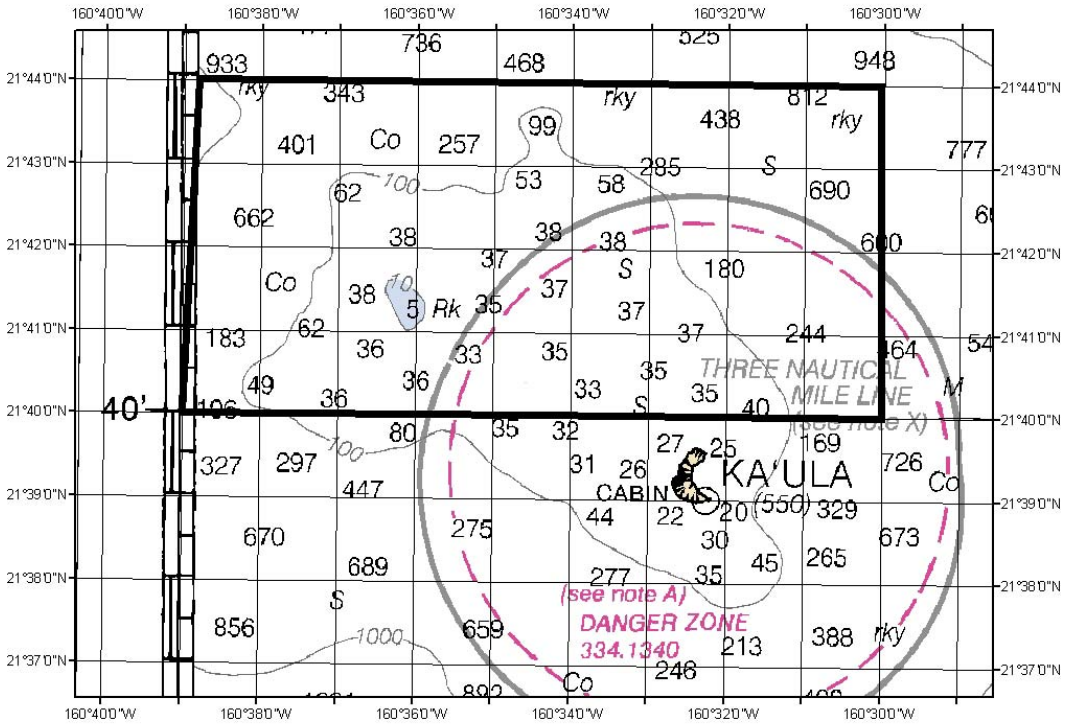
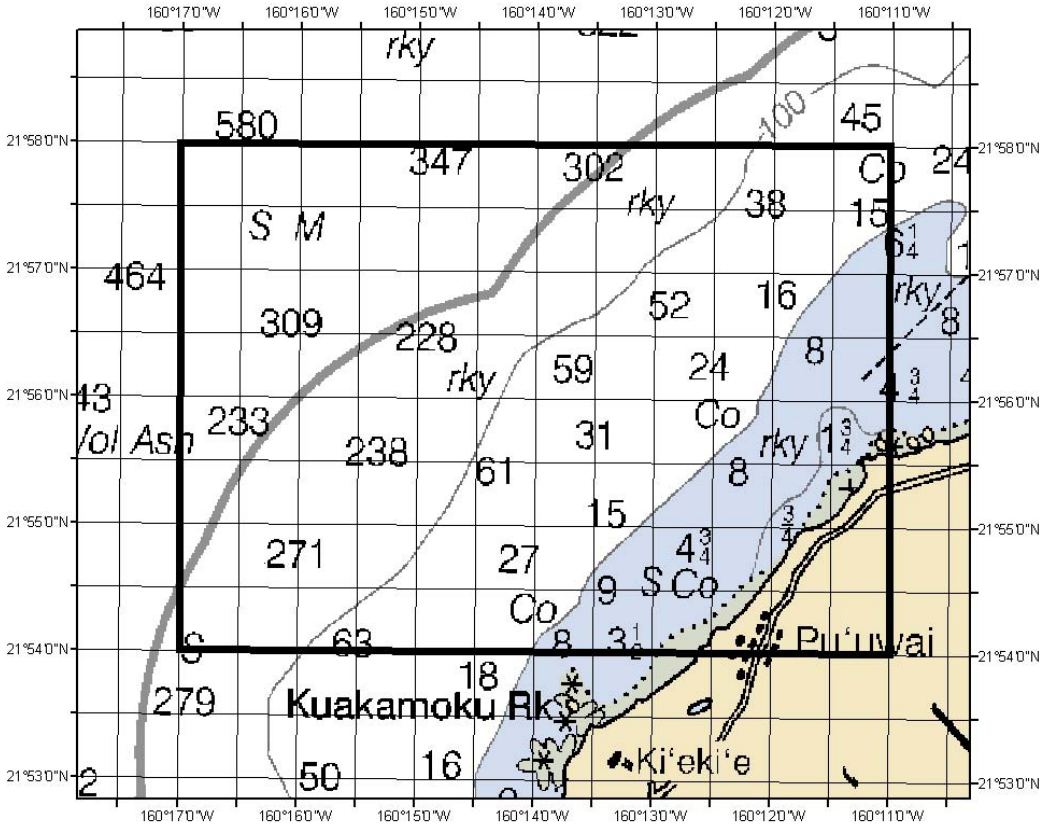
RFA A Kaula



Enclosed EFH Area (km²):	17.2	(59.5%)
State (km²):	4.1	(32.3%)
Fed (km²):	13.1	(80.9%)
Enclosed Hard Area (km²):	6.3	(58.9%)
Enclosed 20° Slope Area (km²):	9.9	(52.9%)
Enclosed # Proposed HAPCs:	10	(45.5%)

RFA A features include GPS-discernable boundaries, protection of over % of rocky and sloped habitats which include 10 HAPCs: 4 pinnacles, a major terrace, and 5 promontories. This RFA also has potential for bi-directional spillover, and can be flip-flopped with the other side of the bank, if desired. The existing 4 commercial catch reporting grids should be replaced by 2 grids, 1 for the closed area and 1 for the open area of the bank. This RFA cannot be monitored and enforced from land. Bottomfish species confirmed by survey to be present In the proposed RFA are onaga, ehu, gindai, hapu, opakapaka, and buta.

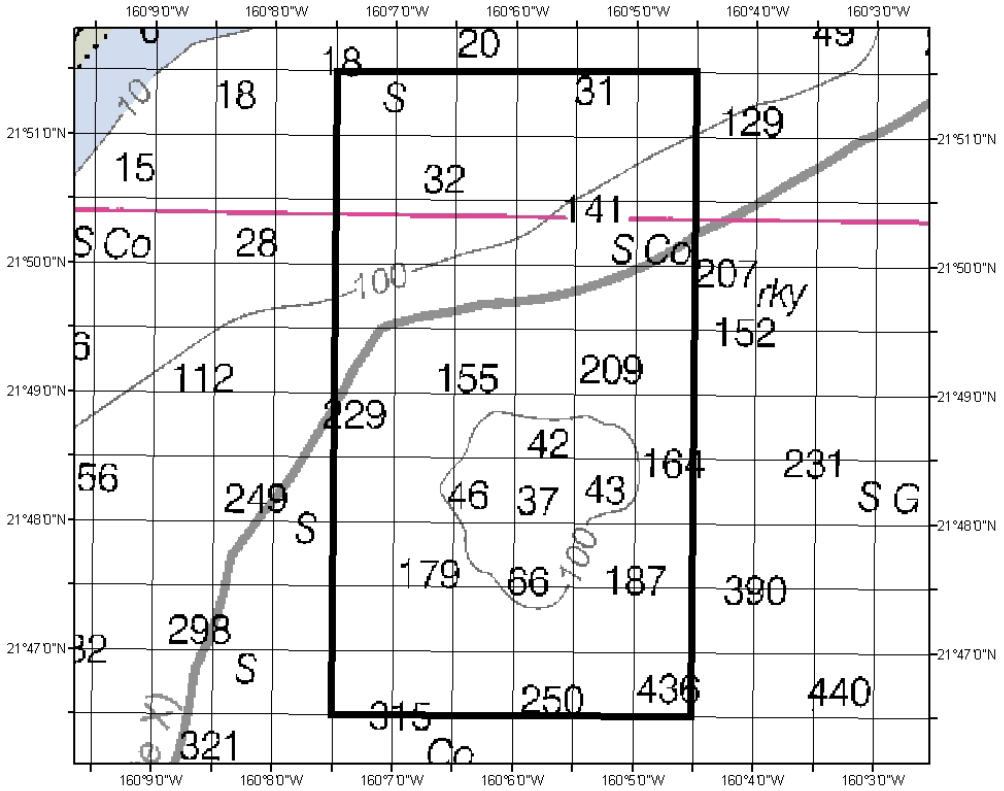
RFA B Niihau



Enclosed EFH Area (km^2):	14.3	(9.0%)
State (km^2):	12.4	(10.3%)
Fed (km^2):	1.9	(5.1%)
Enclosed Hard Area (km^2):	4.3	(6.6%)
Enclosed 20° Slope Area (km^2):	3.0	(9.0%)
Enclosed # Proposed HAPCs:	5	(12.2%)

RFA B features include GPS-discernable boundaries, protection of over 6% of rocky and 9 % of sloped habitats which include 5 HAPCs: 2 pinnacles, 1 bulge, 1 minor terrace and 1 major terrace. This RFA also has potential for bi-directional spillover. The existing commercial catch reporting grid for this side of the island should be Sub-divided into 2 grids: 1 below and 1 above the RFA. The majority of this RFA is in state waters. This RFA can be monitored and enforced from land. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga.

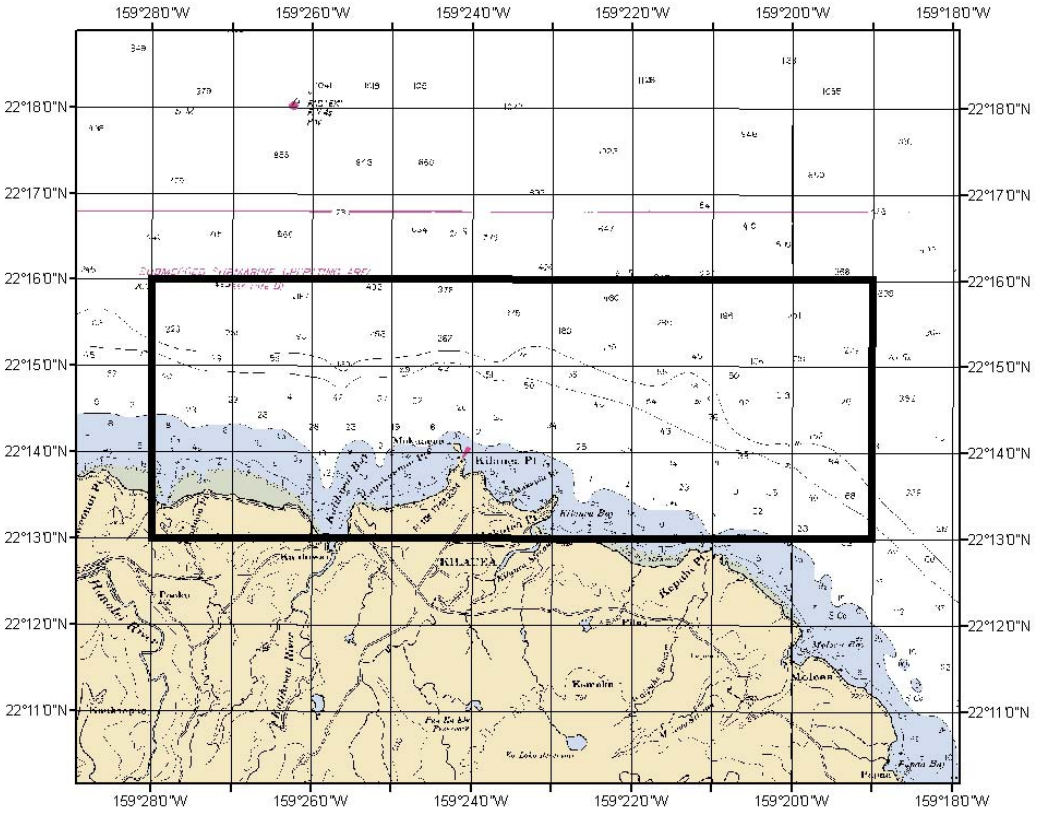
RFA C Niihau



Enclosed EFH Area (km^2):	26.4	(16.7%)
State (km^2):	8.7	(7.2%)
Fed (km^2):	17.7	(47.2%)
Enclosed Hard Area (km^2):	11.7	(17.8%)
Enclose 20° Slope Area (km^2):	3.6	(10.8%)
Enclosed # Proposed HAPCs:	2	(4.9%)

RFA C features include GPS-discernable boundaries, protection of over 17% of rocky and 10% of sloped habitats which include 2 HAPCs: 1 very large pinnacles(guyot) and 1 major terrace. This RFA also has potential for bi-directional spillover along the major terrace and unidirectional spillover from the guyot to Pueo Pt Pinnacle just outside of the eastern boundary. The existing commercial catch reporting grids for this side of the island should be simplified into 2 grids: 1 to the southwest and 1 to the northeast of the RFA. Less than 50% of this RFA is in state waters. This reserve cannot be easily monitored and enforced from land. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga, ehu, gindai, kale, hapu, and opakapaka.

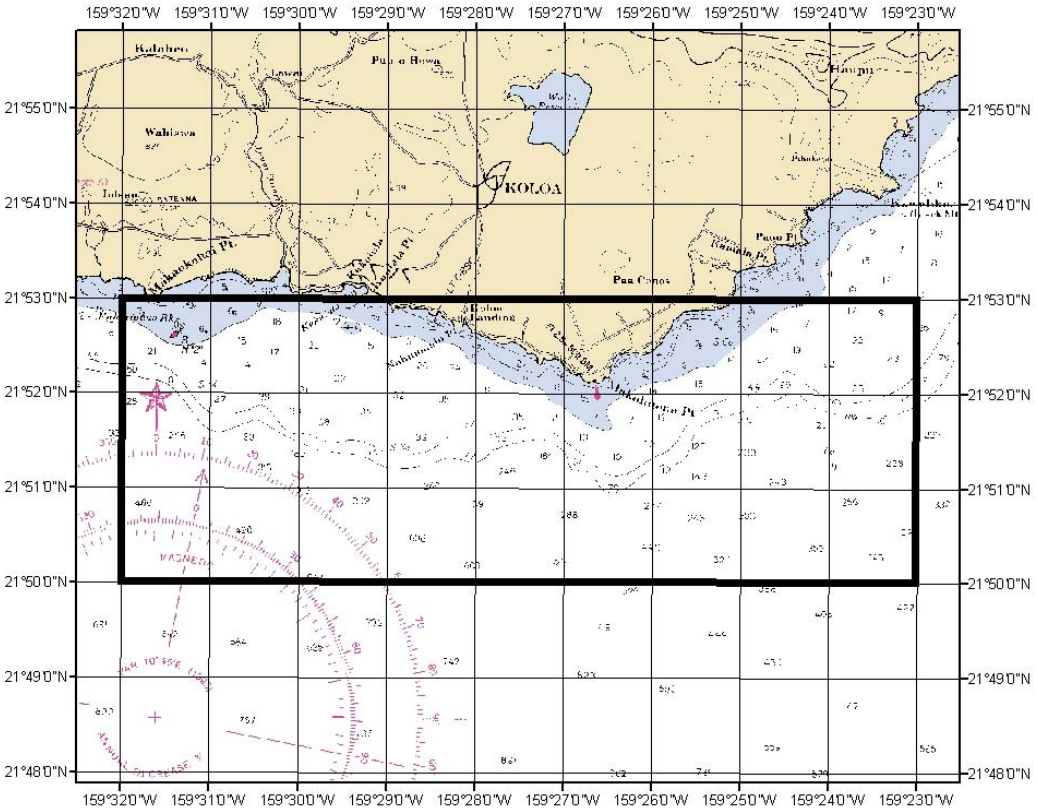
RFA D Kauai



Enclosed EFH Area (km^2):	19.6	(8.6%)
State (km^2):	19.6	(11.2%)
Fed (km^2):	0	(0%)
Enclosed Hard Area (km^2):	4.9	(10.7%)
Enclosed 20° Slope Area (km^2):	6.9	(11.8%)
Enclosed # Proposed HAPCs:	4	(13.8%)

RFA D features include GPS-discernable boundaries, protection of over 10% of rocky and sloped habitats which include 4 HAPCs: the only pinnacle around Kauai and 3 bulges. This RFA also has potential for bi-directional spillover however it is located entirely within a single reporting grid which will make it difficult to detect and differentiate spillover from each side. This RFA is entirely within state waters and can be easily monitored and enforced from land. Bottomfish species confirmed by survey to be present in the proposed RFA are ehu, gindai, and opakapaka.

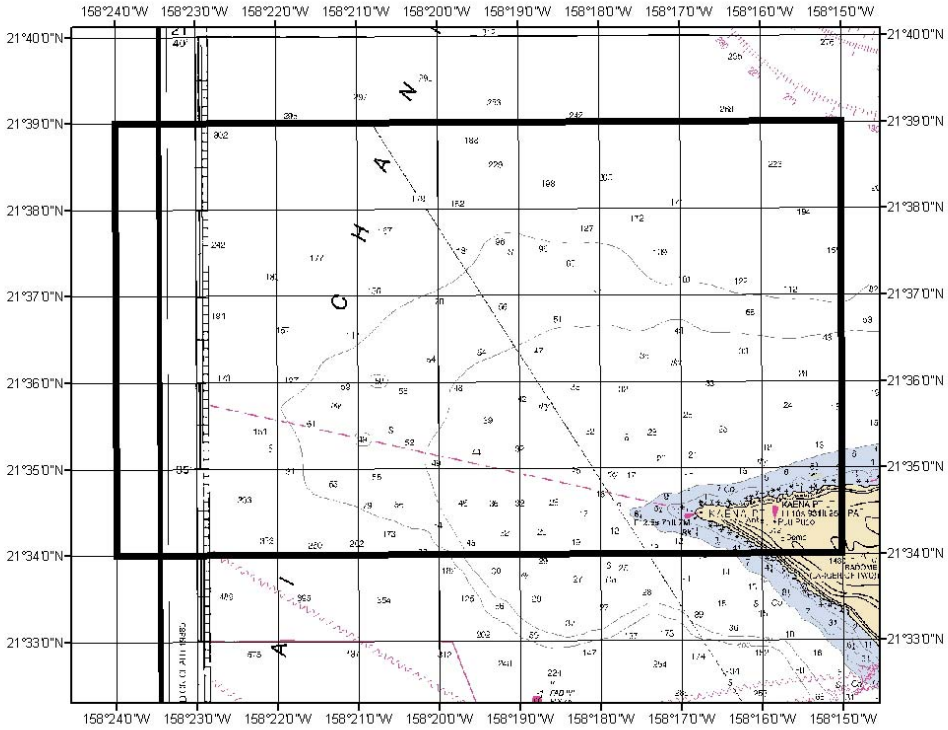
RFA E Kauai



Enclosed EFH Area (km^2):	13.9	(6.1%)
State (km^2):	13.9	(7.9%)
Fed (km^2):	0	(0%)
Enclosed Hard Area (km^2):	12.9	(28.3%)
Enclosed 20° Slope Area (km^2):	14.4	(24.6%)
Enclosed # Proposed HAPCs:	4	(13.8%)

RFA E features include GPS-discernable boundaries, protection of over 20% of rocky and 17% sloped habitats which include 4 HAPCs: 1 bulge, 2 promontories, and a notch. This RFA also has potential for bi-directional spillover which can be detected on each side because it's strattling 2 reporting grids. It's boundaries are entirely within state waters and can be monitored and enforced from land. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga, ehu, gindai, and hapu.

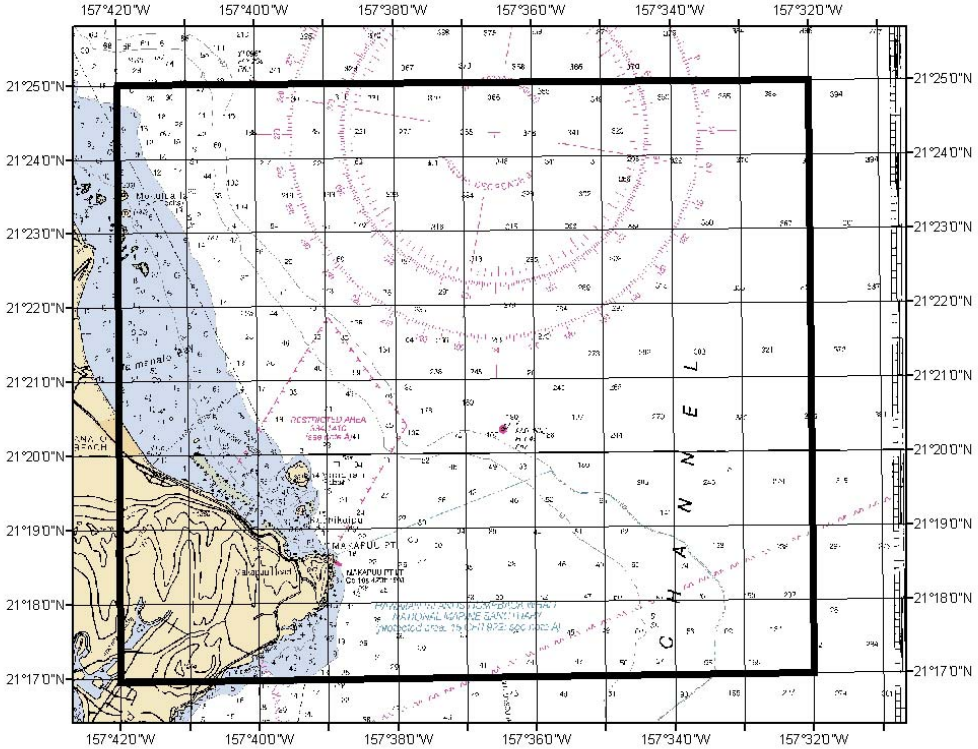
RFA F Oahu



Enclosed EFH Area (km^2):	61.1	(9.5%)
State (km^2):	7.3	(2.2%)
Fed (km^2):	53.8	(17.1%)
Enclosed Hard Area (km^2):	44.6	(23.7%)
Enclosed 20° Slope Area (km^2):	1.1	(2.6%)
Enclosed # Proposed HAPCs:	2	(8.3%)

RFA F features include GPS-discernable boundaries, protection of over 25% of rocky and 13% sloped habitats around Oahu which include 4 HAPCs: a major terrace, a bowl, a bulge, and a promontory. This RFA has potential for bi-directional spillover which can be detected on each side because it's straddling 2 reporting grids. Being located off an island point, it has the potential to export larvae to either side of the island. Less than 50% of this RFA is inside state waters. Although it extends out a considerable distance, this RFA can be monitored and enforced from land. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga.

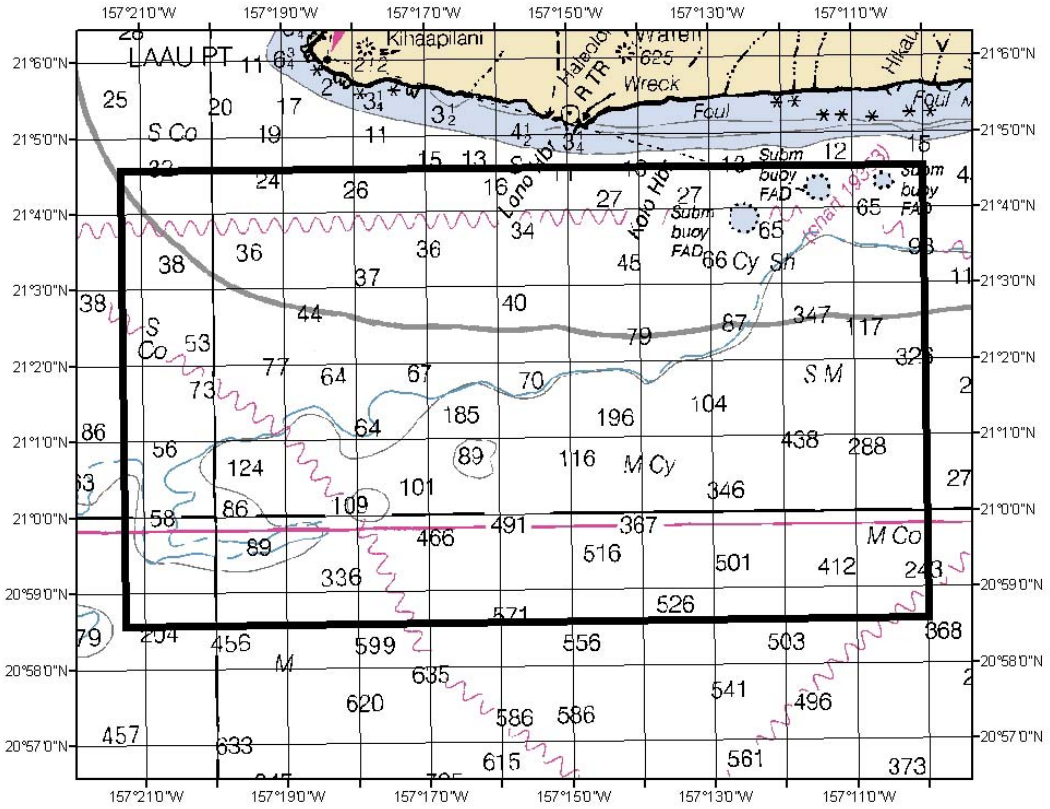
RFA G Oahu



Enclosed EFH Area (km^2):	48.2	(7.5%)
State (km^2):	26.8	(8.1%)
Fed (km^2):	21.4	(6.8%)
Enclosed Hard Area (km^2):	14.1	(7.5%)
Enclosed 20° Slope Area (km^2):	2.8	(6.5%)
Enclosed # Proposed HAPCs:	4	(16.7%)

RFA G features include GPS-discernable boundaries, protection of over 7% of rocky and 6% sloped habitats around Oahu which include 4 HAPCs: a pinnacle, a canyon, and 2 promontories.
This RFA has potential for bi-directional spillover which can be detected on each side because it's strattling 2 reporting grids. Being located off an island point, it has the potential to export larvae to either side of the island. Approximately 50% of this RFA is inside state waters.
This RFA also has a dual purpose of providing additional protection for the Makapuu precious coral beds and 1 promontory has been identified as an onaga nursery ground. Although it extends out a considerable distance, this RFA can be monitored and enforced from land. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga, ehu, kale, hapu, and opakapaka.

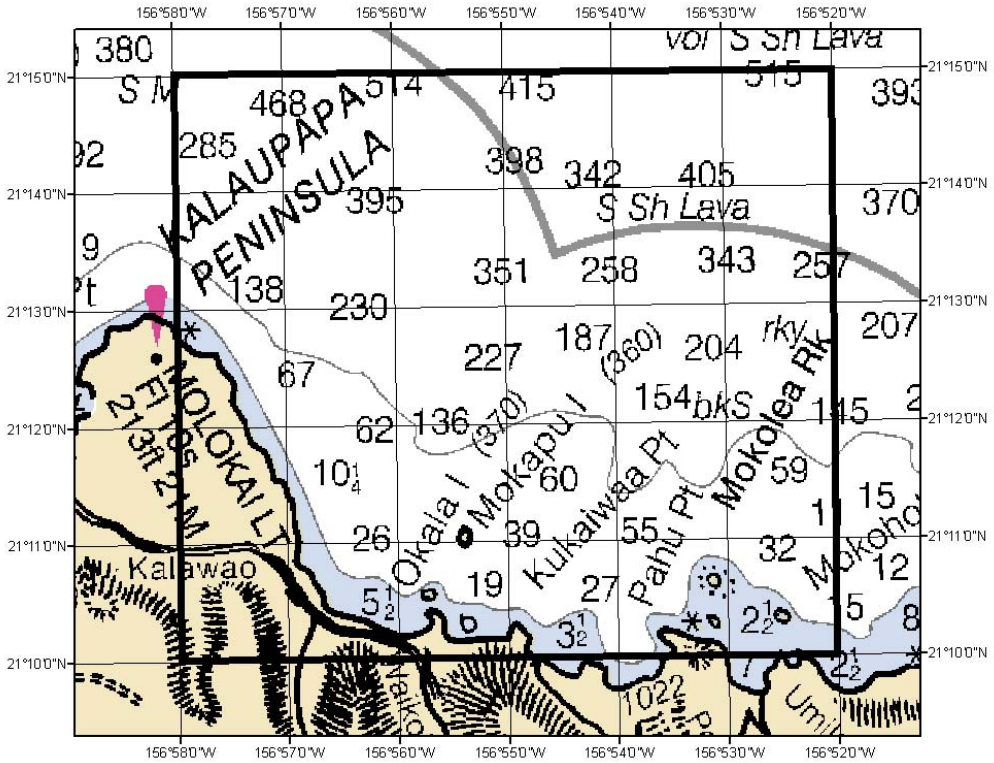
RFA H Maui



Enclosed EFH Area (km²):	79.0	(2.7%)
State (km²):	16.8	(1.4%)
Fed (km²):	62.2	(3.6%)
Enclosed Hard Area (km²):	5.2	(1.5%)
Enclosed 20° Slope Area (km²):	10.4	(7.6%)
Enclosed # Proposed HAPCs:	7	(6.2%)

RFA H features include GPS-discernable boundaries, protection of over 1% of rocky and 7% sloped habitats around Maui County which include 7 HAPCs: 3 pinnacles, a bulge, a promontory, a ridge, and a major terrace. This RFA also has potential for bi-directional spillover which can be detected on each side because it's strattling 2 reporting grids. Less than half of it's area is in state waters but this RFA can be monitored and enforced from land. It furthermore is believed to enclose an onaga nursery ground. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga, ehu, gindai, and kale.

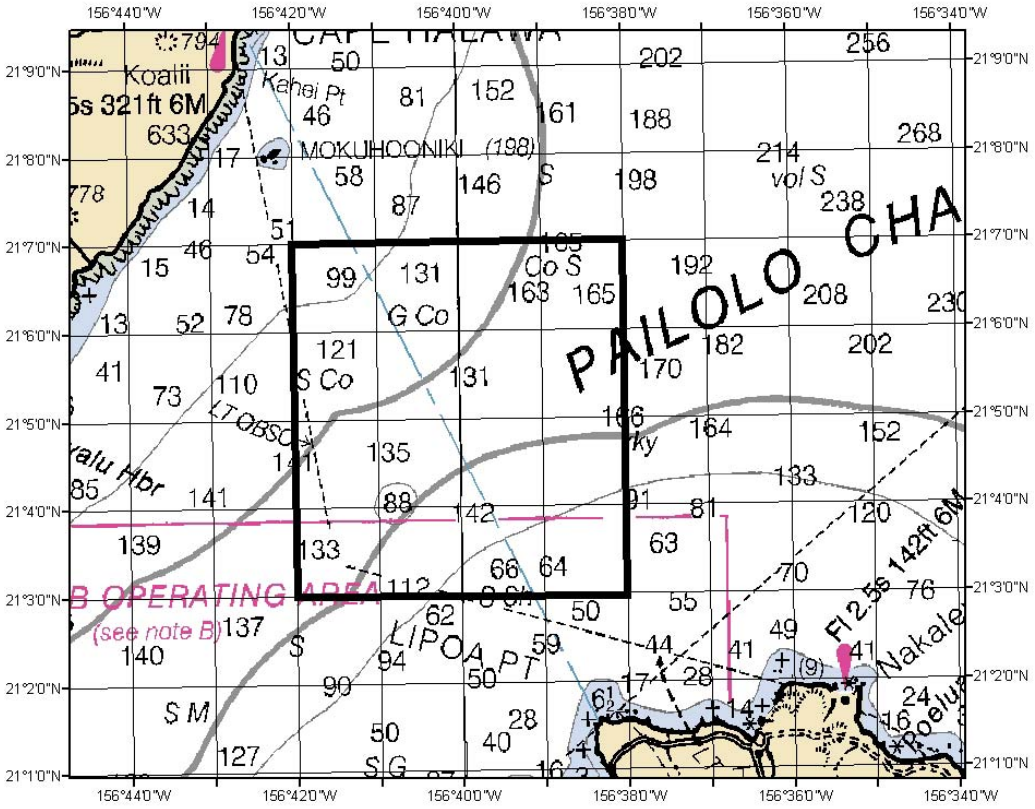
RFA J Maui



Enclosed EFH Area (km^2):	21.8	(0.7%)
State (km^2):	21.8	(1.8%)
Fed (km^2):	0	(0%)
Enclosed Hard Area (km^2):	0.5	(0.1%)
Enclosed 20° Slope Area (km^2):	7.0	(5.1%)
Enclosed # Proposed HAPCs:	5	(4.4%)

RFA J features include GPS-discernable boundaries, protection of 0.2% of rocky and 4.1% sloped habitats around Maui County which include 5 HAPCs, all of which are canyons. This RFA has potential for bi-directional spillover which can be detected on each side because it's strattling 2 reporting grids. This RFA is entirely within state waters and can be easily monitored and enforced from land. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga, ehu, gindai, hapu, opakapaka, and buta.

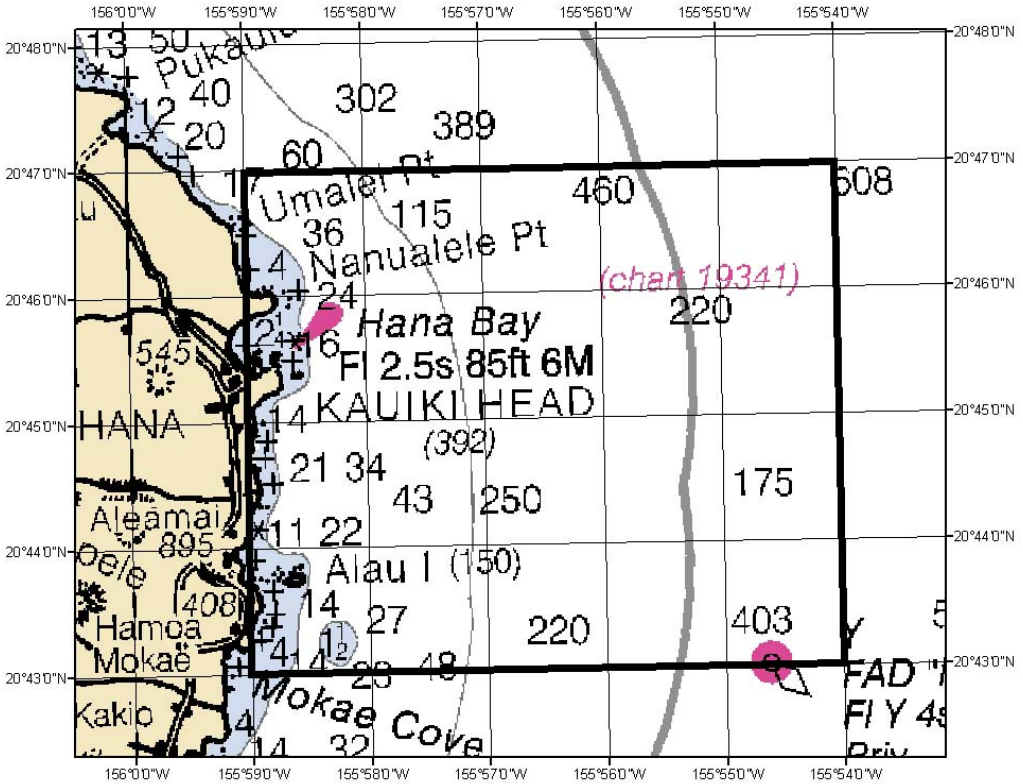
RFA K Maui



Enclosed EFH Area (km^2):	51.3	(1.7%)
State (km^2):	28.7	(2.4%)
Fed (km^2):	22.6	(1.3%)
Enclosed Hard Area (km^2):	33.3	(9.7%)
Enclosed 20° Slope Area (km^2):	0.1	(0.1%)
Enclosed # Proposed HAPCs:	3	(2.7%)

RFA K features include GPS-discernable boundaries, protection of almost 10% of rocky but only 0.1% sloped habitats around Maui County which include 3 HAPCs: 1 pinnacle, 1 promontory, and 1 minor terrace. This RFA also has potential for tri-directional spillover which, if the area is enlarged, can be detected on each side because it would be straddling 3 reporting grids. It's jurisdiction is approximately 50/50 state/federal waters. This RFA can be monitored and enforced from land. Furthermore, it is believed to be both an onaga and ehu nursery ground and may have substantial corals. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga, ehu, and kale.

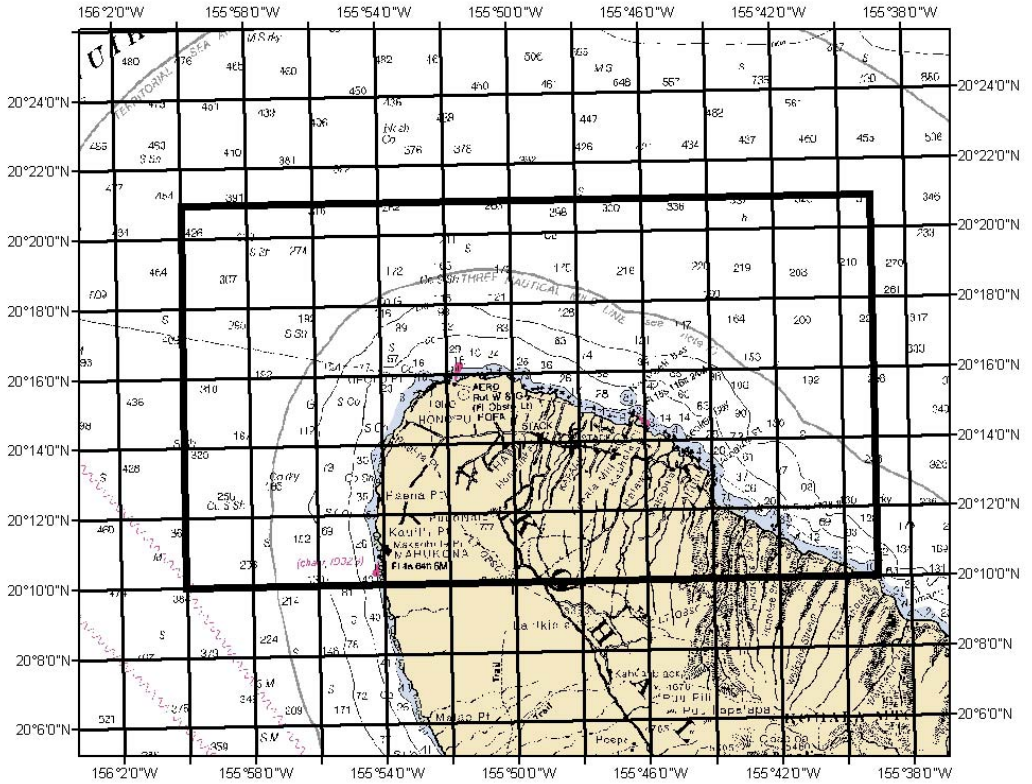
RFA L Maui



Enclosed EFH Area (km²):	7.4	(0.3%)
State (km²):	7.2	(0.6%)
Fed (km²):	0.2	(0%)
Enclosed Hard Area (km²):	2.9	(0.8%)
Enclosed 20° Slope Area (km²):	4.3	(3.1%)
Enclosed # Proposed HAPCs:	8	(7.1%)

RFA L features include GPS-discernable boundaries, protection of almost 1% of rocky and 3% sloped habitats around Maui County which include 8 HAPCs: 5 pinnacles and 3 bulges. This RFA has potential for bi-directional spillover which can be detected on each side because it straddles 2 reporting grids. Except for 2 pinnacles, this RFA is entirely within state waters and can be easily monitored and enforced from land. Being located off an island point, it has the potential to export larvae to either side of the island. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga, ehu, gindai, and hapu.

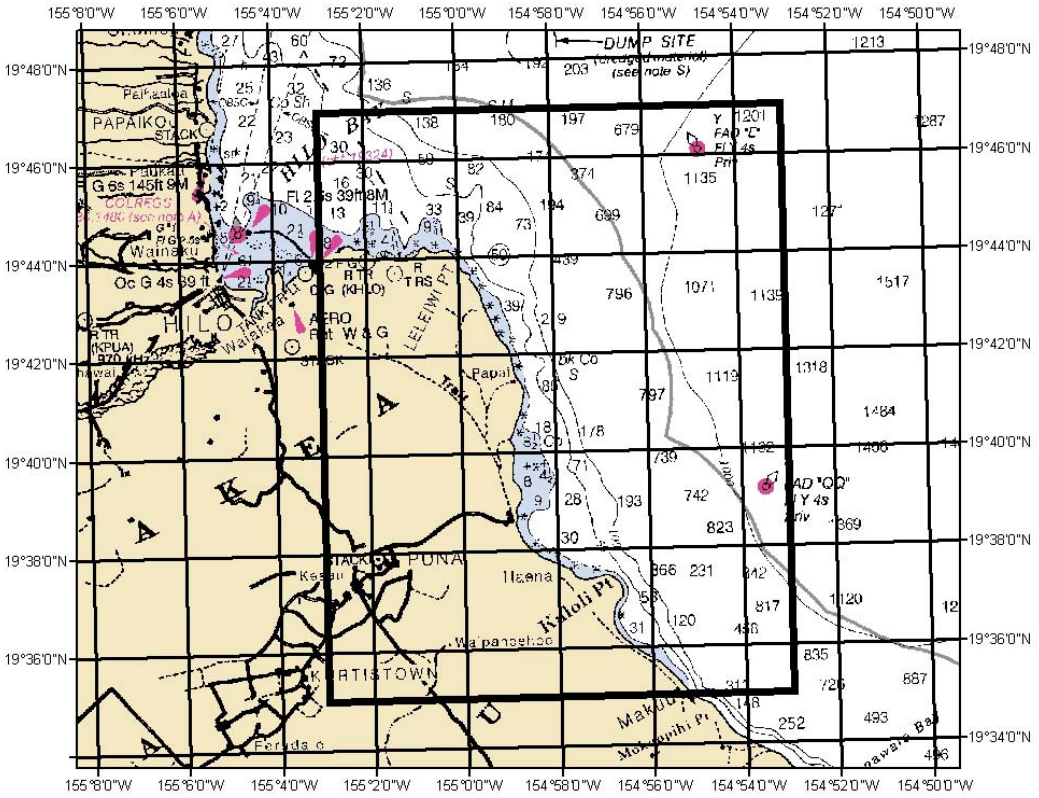
RFA M Hawaii



Enclosed EFH Area (km^2):	304.9	(18.5%)
State (km^2):	159.9	(17.1%)
Fed (km^2):	145.0	(20.4%)
Enclosed Hard Area (km^2):	nd	nd
Enclosed 20° Slope Area (km^2):	nd	nd
Enclosed # Proposed HAPCs:	nd	nd

RFA M features include GPS-discernable boundaries. The amount of rocky and sloped habitats it encloses is unknown because multi-beam mapping has not been completed around the Big Island. However, it does protect at least 2 canyons and a promontory. It furthermore has the potential for bi-directional spillover which can be detected on each side. Approximately 50% of this RFA is in state waters and it can be monitored and enforced from land. Being located off an island point, it has the potential to export larvae to either side of the island. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga, ehu, gindai, kale, hapu, and opakapaka.

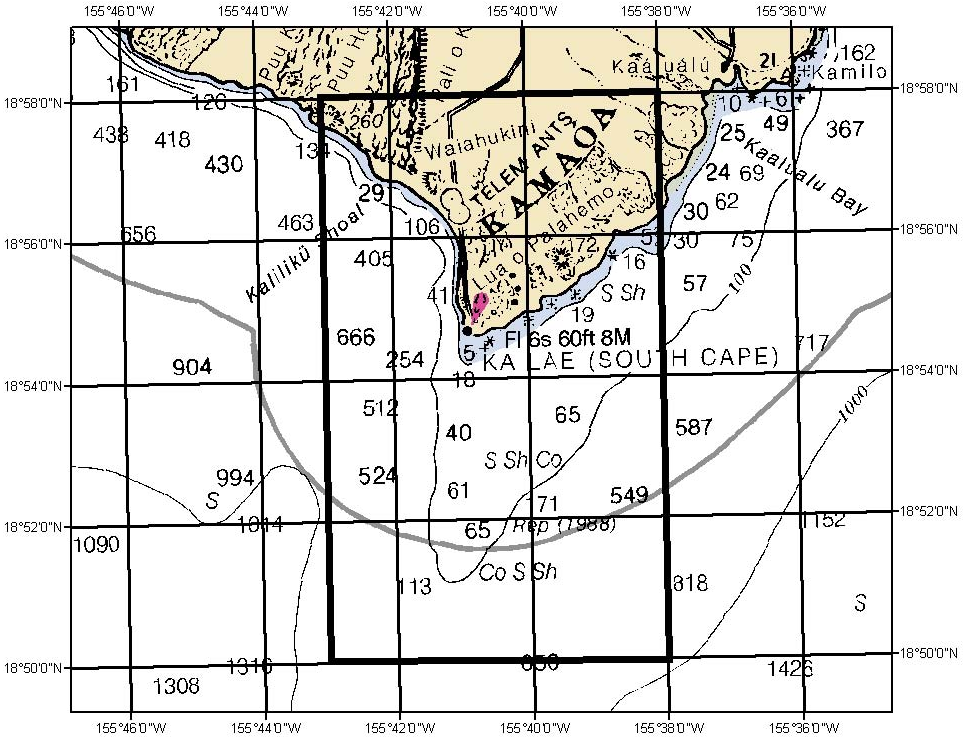
RFA N Hawaii



Enclosed EFH Area (km^2):	43.3	(2.6%)
State (km^2):	41.0	(4.4%)
Fed (km^2):	2.3	(0.3%)
Enclosed Hard Area (km^2):	nd	nd
Enclosed 20° Slope Area (km^2):	nd	nd
Enclosed # Proposed HAPCs:	nd	nd

RFA N features include GPS-discernable boundaries. The amount of rocky and sloped habitats it encloses is unknown because multi-beam mapping has not been completed around the Big Island. However, it does protect at least 4 HAPCs: a notch, 2 bulges, and a minor terrace. This RFA is located almost entirely within state waters and can be monitored and enforced from land. Bottomfish species confirmed by survey to be present in the proposed RFA are onaga, ehu, gindai, kale, and opakapaka.

RFA O Hawaii



Enclosed EFH Area (km^2):	25.4	(1.5%)
State (km^2):	22.3	(2.4%)
Fed (km^2):	3.1	(0.4%)
Enclosed Hard Area (km^2):	nd	nd
Enclosed 20° Slope Area (km^2):	nd	nd
Enclosed # Proposed HAPCs:	nd	nd

RFA O features include GPS-discernable boundaries. The amount of rocky and sloped habitats it encloses is unknown because multi-beam mapping has not been completed around the Big Island. However, it does protect at least 1 promontory. It has the potential for bi-directional spillover which can be detected on each side. Except for the tip of the promontory, this RFA is located entirely within state waters and can be monitored and enforced from land. Being located off an island point, it has the potential to export larvae to either side of the island. Bottomfish species confirmed by survey to be present in the proposed RFA are ehu, gindai, kale, and opakapaka.